

ARIEL DEVELOPMENT, INC.

Construction Self-Inspection Guide

Guardrails: Any opening four feet or more above ground level must be guarded

Standard guardrail: Top rail = 39" to 45" above working surface. Midrail = halfway between top rail and floor. Toeboard = 4".

Scaffold: Fully planked

Scaffold: Fall protection provided if fall hazards over 10 feet exist

Stairs: Four or more risers must have handrails

Fall protection: Any exposure to fall hazards of 10' or greater must be eliminated by the use of safety harness/belt, lanyard or lifeline, horizontal lines, or cantenary lines. Positive fall restraint/protection must be utilized at all times. Two lanyards may be necessary at the beam/upright traverse points. No exposure at any time is allowed.

Fall protection work plan: Job specific, in writing; available on-site for all fall hazards above 10'.

Ladders: Extended 36" above landing and secured to prevent displacement

Articulating boom lift: Safety harness and lanyard at all times

Floor holes/openings: Covered and secured; be sure no tripping hazards in the area.

Extension cords/electric power tools: Marked/covered by Assured Grounding Program

Clothing: Minimum of short sleeve shirts, long pants, and substantial footwear; no recreational shoes

Hard hats: readily accessible at all times; worn when overhead hazard exists

Oxygen/acetylene storage areas: Cylinders chained and separated

Personal protective equipment: Head, eye, ear, respiratory, and leg protection – high visibility vests when required

Housekeeping: Workers are responsible for their own area of exposure

First aid/fire extinguishers: Available and readily accessible

First aid trained personnel: Minimum of one person on-site at all times with first aid CPR training.

Accident Prevention Program: In written format

Crew Leader Meetings: At beginning of each job and at least weekly thereafter. Documented

Chemical hazard communication program

ARIEL DEVELOPEMENT INC.

Safety and Health Inspection Check List

A = Adequate at time of inspection

B = Needs immediate attention

A B

1. JOB SITE INFORMATION

WISHA and other job site warning posters posted
Scheduled safety meetings held and documented
Adequate employee training -- general and specific
Medical services, first aid equipment, stretchers and a qualified first aider available
Emergency telephone numbers posted (medical services, fire department, police)

2. HOUSEKEEPING AND SANITATION

Working areas generally neat
Waste and trash regularly disposed
Enclosed chute provided when material dropped outside of building from over 20 feet
Lighting adequate for all work tasks
Projecting nails removed or bent over
Oil and grease removed from walkways and stairs
Waste containers provided and used
Sanitary facilities adequate and clear
Potable water available for drinking
Disposable drinking cups and container for used cups provided

3. FIRE PREVENTION

Fire protection program developed
Fire instructions provided to personnel
Proper type and number of fire extinguishers, identified, checked and accessible
Phone number of fire department posted
Hydrants clear, access open
NO SMOKING signs posted and enforced where needed
Temporary heating devices safe. Adequate ventilation provided

4. ELECTRICAL INSTALLATIONS

Adequate wiring, well insulated, grounded, protected from damage
Assured grounding program followed (OR)
Ground fault circuit interrupters used
Terminal boxes equipped with required covers

5. HAND TOOLS

Proper tools being used for each job
Safe carrying practices used
Company and employees' tools regularly inspected and maintained

6. POWER TOOLS

Good housekeeping where tools are used
Tools and cords in good condition
Proper grounding of all tools (**OR**)
Double insulated tools used
Proper instruction in use provided
All mechanical guards in use
Tools neatly stored when not in use.
Right tool being used for the job at hand
Wiring properly installed

7. POWDER-ACTUATED TOOLS

All operators licensed
Tools and charges protected from unauthorized use
Competent instruction and supervision provided
Tools used only on recommended materials
Flying hazards checked by backing up, removal of personnel, or use of captive stud tool

8. LADDERS

Ladders inspected and in good condition
Ladders properly secured to prevent slipping, sliding or falling
Side rails extended 36" above the top of landing
Job-built ladders properly constructed
Stepladders fully open when in use
Metal ladders not used around electrical hazards
Ladders not painted
Ladders properly stored
Ladder safety feet in use

9. HEAVY EQUIPMENT

Inspection and maintenance records up to date
Lights, brakes, warning signals operative
Wheels chocked when necessary
Haul roads well maintained and properly laid out
Equipment is properly secured when not in use
Shut-off devices on hose air lines, in case of hose failure
Noise arrestors in use
ROPS in place

10. SCAFFOLDING

Erection properly supervised
All structural members meet safety factors
All connections secure
Scaffold tied in to the structure when required
Working areas free of debris, snow, ice and grease
Foot sills and mud sills provided
Workers protected from falling objects
Scaffolds plumb and square, with cross-bracing
Guard rails, intermediate rails, and toeboards in place
Adequate, sound planking provided
Scaffold equipment in good working order
Ropes and cables in good condition

11. MOTOR VEHICLES

Roadways or walkway hazards effectively barricaded
Barricades illuminated or reflectorized at night
Traffic control devices used when appropriate
Inspection and maintenance records up to date
Operators qualified for vehicles in use
Local and state vehicle laws and regulations observed
Brakes, lights, warning devices operative
Weight limits and load sizes controlled
Personnel transported in a safe manner
All glass in good condition
Back-up signals provided
Fire extinguishers installed where required
SLOW MOVING VEHICLE signs used when required

12. HOISTS, CRANES AND DERRICKS

Cables and sheaves regularly inspected
Slings and chains, hooks and eyes inspected before each use
Equipment firmly supported
Outriggers used if needed
Power lines inactivated, removed, or at a safe distance
Proper loading for capacity at lifting radius. Rated load capacities posted?
All equipment properly lubricated and maintained
Signalpersons where needed
Signals posed, understood, and observed
Inspection and maintenance logs maintained
Hazard signs posted and visible to operator

13. BARRICADES

Floor and wall openings planked over or barricaded
Roadways or walkway hazards effectively barricaded
Barricades illuminated or reflectorized at night
Traffic control devices used when appropriate

14. HANDLING AND STORAGE OF MATERIALS

Materials properly stored or stacked
Passageways clear
Stacks on firm footings, not too high
Materials protected against weather conditions
Trash chutes safeguarded and properly used
Dust protection observed
Traffic controlled in the storage area

15. WELDING AND CUTTING

Operators qualified
Screens and shields used when needed
Goggles, welding helmets, gloves, clothing used as required
Equipment in safe operating condition
Electrical equipment grounded
Power cables and hoses protected and in good repair
Fire extinguishers of proper type nearby
Surrounding area inspected for fire hazards
Flammable materials protected or removed

Gas cylinders secured upright
Cylinder caps in use

16. FLAMMABLE GASES AND LIQUIDS

All containers approved and clearly identified
Proper storage practices observed
Fire hazards checked
Proper types and number of extinguishers nearby
Proper method for moving cylinders used

17. PERSONAL PROTECTIVE EQUIPMENT MONITORED BY SUPERVISORS

Hard hats available on-site; worn when overhead hazards exist
Eye protection
Face shields
Written respirator program; respirators fit-tested; replacement cartridges; cleaning and maintenance
Helmets and hoods
Hearing protection – noise monitoring; written program
Foot protection
Rubber or plastic gloves, aprons, and sleeves for chemical protection
Electrician's rubber gloves and protectors

18. LIFTING AND BACK SAFETY

Team lifting used for heavy or awkward loads
Mechanical lifting devices used when appropriate
Back care training provided to all employees
Bent-knee lifting used by workers
Work hardening program used for returning time-loss employees
Employees do "warm up" exercises before strenuous work

19. HAZARD COMMUNICATION PROGRAM

Chemical inventory list developed and maintained
Containers properly labeled
Material Safety Data Sheets collected and available
Adequate employee information and training provided
Written program available

A B

20. CONFINED SPACE

Written confined space program
Competent instruction and supervisors provided
Hot work permits obtained, if needed, prior to entry and work
Evaluation and monitoring – sampling devices adequate, calibrated, and used
Ventilation adequate, testing and monitoring during operation
Respirators, standby person, harness/lifeline at the site

21. DEMOLITION

Written demolition plan
Protection of adjacent structures
Material chutes used. Floor openings for material disposal barricaded
Sidewalk and other public protection provided
Clear opening space for trucks and other vehicles
Adequate access ladders or stairs maintained